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**Declaration under Rule 4.17:**

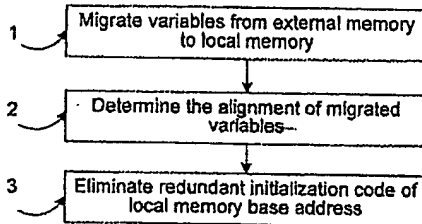
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(54) Title: OPTIMIZING MEMORY ACCESSSES FOR NETWORK APPLICATIONS USING INDEXED REGISTER FILES



(57) Abstract: A processing device includes an optimizer to migrate objects from an external memory of a network processing device to registers connected to a processor. The optimizer further aligns and eliminates redundant uninitialization code of the objects.

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